

HOUSE BILL 172

46TH LEGISLATURE - STATE OF NEW MEXICO - FIRST SESSION, 2003

INTRODUCED BY

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AN ACT

RELATING TO ENERGY; PROVIDING FOR A RENEWABLE ENERGY AND FUEL CELL DEMONSTRATION PROJECT FOR ON-SITE ELECTRIC GENERATION; MAKING AN APPROPRIATION.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF NEW MEXICO:

Section 1. RENEWABLE ENERGY AND FUEL CELL DEMONSTRATION PROJECT--SECRETARY OF ENERGY, MINERALS AND NATURAL RESOURCES-- DUTIES.--The secretary of energy, minerals and natural resources shall conduct a practical demonstration of a grid-interconnected, real-time, net-metered, solar photovoltaic system and an ultra-high-efficiency co-generation fuel cell system powered by natural gas, propane, methanol or hydrogen to generate on-site electricity for government or public use. The solar photovoltaic electric generating system shall be sized

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1 and configured to comply with the federal energy management  
2 program's million solar roofs initiative. All demonstrations  
3 shall be accessible to the public. The secretary shall conduct  
4 an analysis that considers life-cycle costing of the new  
5 technologies, their appropriate uses and an evaluation of the  
6 economic and environmental benefits that might be derived from  
7 statewide introduction and application of the technology. The  
8 analysis shall also include price differentials of on-peak and  
9 off-peak electricity. Life-cycle costing shall be determined  
10 by computing the savings derived from the operation of the  
11 technology over its useful life, less purchase and operating  
12 costs. The goal of the project is to demonstrate a new  
13 generation of electric and fossil fuel technologies while  
14 providing an opportunity to evaluate their potential economic  
15 and environmental benefits. The secretary shall submit the  
16 results of the evaluations and recommendations to the second  
17 session of the forty-seventh legislature.

18 Section 2. APPROPRIATION. -- Eighty thousand dollars  
19 (\$80,000) is appropriated from the general fund to the energy,  
20 minerals and natural resources department for expenditure in  
21 fiscal year 2004 for the purpose of conducting a renewable  
22 energy and fuel cell demonstration project and evaluating the  
23 results of solar photovoltaic and fuel cell electric generating  
24 technologies. Any unexpended or unencumbered balance remaining  
25 at the end of fiscal year 2004 shall revert to the general

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